

PENIZOV, N.

27-4-24/25

AUTHORS: Penizov, N.; Lyubomskiy, O., Khanchin, A.

TITLE: Information (Notes and Queries: correspondence) (Informatsiya)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, # 4,
p 32 (USSR)

ABSTRACT: A potpourri of general news items.

1. N. Penisov "A Seminar for Foremen" tells of lectures given at the Mining School No. 55 of the Lugansk District.
2. O. Lyubomskiy "A Technical Conference", tells of new systems of automatic signalling and reports of a lecture in this field given to students of the Technical School No. 3 of Kirov.
3. A. Khanchin "A Meeting With Chapayevists" tells of activities of the veterans of the Chapayev Division.

There are 5 photographs.

AVAILABLE: Library of Congress

Card 1/1

PENIZOV, N.

Training section for miners. Prof.-tekhn. obr. 15 no.8:15-16
Ag '58. (MIRA 11:8)

1. Starshiy master gornopromyshlennoy shkoly No. 55, L'vovskaya oblast'.
(Coal mines and mining--Study and teaching)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4

FATEYEVA, M.N.; PENIZOVSKAYA, A.I.; SOKOLOV, V.V.; GORBARENKO, N.I.;
HENISOVA, Ye.A.; OSTAPKOVICH, V.Ye.

Initial reactions of the human organism to the action of ionizing
radiations. Med. rad. 5 no.8:3-7 '60. (MIRA 13:12)
(RADIATION-PHYSIOLOGICAL EFFECT)

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CIA-RDP86-00513R001239920010-4

PENKA, B.

DECEASED

1954

see ILC

Sugar Industry

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CIA-RDP86-00513R001239920010-4"

PENKA, M.

Content of essential oils and water regime in some officinal plants growing in
Czechoslovakia. In English. p. 11.

ACTA FACULTATIS PHARMACEUTICAE BRUNENSIS ET BRATISLAVENSIS. Brno, Czechoslovakia.
Vol. 1, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

PENKA, Miroslav; SRPOVA, Jirina

Contribution to the study of heterogeneity in the leaves of
a spring wheat plant. *Biologia plantarum* 7 no.1:20-30 '65.

1. Chair of Forest Botany and Plant Ecology of the Faculty
of Forestry of the Higher School of Agriculture, Brno,
Zemedelska 3. Submitted May 19, 1964.

CZECHOSLOVAKIA / Cultivated Plants. Cereal Crops.

M-3

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58516
Author : Banoch, Zdenek; Penka, Miroslav; Rod, Jan
Inst : Czechoslov. Agricultural Academy
Title : The Czechoslovak Wheat Varieties Under Irrigation in Southern Moravia
Orig Pub : Sbor. Ceskosl. akad. zemed. vod., Rostl. výroba, 1956,
 29, No 7, 679-700
Abstract : The effect of sprinkling on the yielding capacity of various varieties of summer and winter wheat was studied. The yielding capacity of summer varieties increased, as a result of irrigation from 20.7 to 30 cwt/ha on the average. The winter varieties increased from 18.4 to 26 cwt/ha. Increased demands of water were noticed in all wheat varieties from tillering up to the ear forming phases. For the summer wheat varieties, the demand for

Card 1/2

20

PENKA M.

USSR/Physiology of Plants. Water Regimen

I-3

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 5675

Author : M..Penka

Inst : Not given

Title : Effect of Irrigation on the Water Regime of
Plants and their Content of Essential Oils

Orig Pub : Folia biol., 1955, 1, No 5, 288-297

Abstract : No abstract

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239920010-4"

FENKA, Miroslav, prof., RNDr, PhMr, C.Sc. (Brno, Tr. Obrancu miru 10);
KLIMESOVA, Emilie; SRB, Vladimir

Possibilities of utilizing irrigation for the plant *Mentha piperita* Hudson. Acta pharmac 8:7-36 '63.

1. Chair of Pharmaceutical Botany, Faculty of Pharmaceutics,
Bratislava.

Penka M

CZECHOSLOVAKIA/Soil Science - Physical and Chemical Properties
of Soils.

J-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10515

Author : Penka, Miroslav

Inst :
Title : An Evaluation of Soil Waters from the Point of View of the
Biological Method of Withering Curves.

Orig Pub : Ceskosl. biol., 1956, 5, No 2, 105-116.

Abstract : It is recommended that the method of determining the conditions of retardation and cessation of plant growth be utilized for a precise determination of the number of separate categories of soil water. Plant growth is retarded when the capillary water falls to the minimum of which the plant can avail itself; growth ceases when the movement of pellicular capillary water declines sharply. Steady withering occurs when the pellicular water in the soil is at a minimum. Retardation of growth,

Card 1/2

PENKA, M.; KOCABOVA, J.

Contribution to the study on variations in the essential oil content
in the plant Levisticum officinale Koch. Cesk. farm. 11 no.5:229-233
Je '62.

1. Katedra farmaceuticke botaniky farm. fakulty University Komenskeho,
Bratislava Experimentalni zahrada lecivych rostlin, Brno.

(OILS VOLATILE chem) (PLANTS chem)

[CZECHOSLOVAKIA]

M. PENKA, Botanical Garden of the J. E. Purkyně University (Botanická zahrada University J. Ev. Purkyne,) Brno.

"Biogenesis of Ethereal Oils."

Prague, Ceskoslovenska Farmacie, Vol 12, No 5, June 63; pp 262-274.

Abstract : Very comprehensive and wide-ranging review of origins, physiologic roles in plant metabolism, distribution, biogenesis and other aspects of ethereal oils of plant origin; analytical methods, chemical and physical properties and medicinal or other uses are also discussed. Two tables, many structural formulae; 124 Western, 69 Czech, 15 Soviet, 9 Polish, 1 Hungarian and 1 Yugoslav reference.

1/1

Fobka, L.

Biological evaluation of soil moisture by a method of drying curves. p. 105.

CESKOSLOVENSKA BIOLOGIE vol. 5, no. 2, Mar. 1956

Czechoslovakia

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 7 July 1956

PENKA, Miroslav, prof. PhMr., RNDr., ScS. (Brno, Frída Goranová níru 19)
KOCABOVÁ, Jirina; SRB, Vladimír; SEBOVÁ, Maris.

Water regime and content of essential oils in the plant,
Leviaticum officinale Koch. Acta pharmac 6:7-41 '62

1 . Department of Pharmaceutical Botany, Faculty of Pharmacy,
Bratislava.

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CIA-RDP86-00513R001239920010-4

PENICHE, PORTUGAL

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PENKA, M.

Influence of the day length on the qualitative changes of
the organic acids in the cellular juice of Begonia rex. M. ^{MD}
Penka and V. Rypáček (Masarykova Univ., Brno, Czech.)
Praktika 27, 424-38 (1955); cf. *C.A.* 48, 7119b.—B. rex was
exposed to a 100-w. bulb for 28 days from the distance of 65
cm. for 0 to 24 hrs. every day. The stalks were then cut
off, the cell juice pressed out on a hand press, and filtered.
This juice (2 ml.) was then potentiometrically titrated with
0.1*N* NaOH. Qual. compn. of the acids was detd. by a
crystallographic method. The plant produced erg. acids
with a higher energy content, i.e., citric acid, etc., during
the day while during the night acids with a lower energy
content, i.e., oxalic acid, malonic acid, succinic acid, were
produced. K. Mack

(1)

PENKA, M.: HLOUSKOVA. D. REZAC K.

Effect of irrigation on water absorption and the content
of essential oils in plants. p. 362.

CESKOSLOVENSKA BIOLOGIE. (Ceskoslovenska akademie ved.
Biologicky ustav) Praha.

Vol. 4, No. 6 June 1955.

SOURCE: East European Accessions List (EEAL) Library
of Congress. Vol. 5 No. 1. January, 1956.

PENKA, M.

The influence of irrigation on the water retention and the essential-oil yield of *Pimpinella anisum*. M. Penka. (Univ. Brno, Czech.). *Folia Biol.* 1, 283-97(1955) (German summary).--The influence of irrigation on the water retention and the essential-oil yield of *P. anisum* was studied. It was determined that the intensity of transpiration, the water retention, and water consumption were greater for the watered plants than for the unwatered plants. Moreover, the yield of essential oils in the embryo was somewhat greater when the conditions for growth and the development of the plant were improved. Above all, the water content of the soil and the intensity of sun radiation improve the yield. The essential oils produced in the embryo of the irrigated plants was 3.4% while the essential oils contained in the embryo of the unirrigated plants was only 1.9%. Joyce R. Lend

PENKA, Miroslav, prof., Ph.Mr., RNDr. (Brno, Obrancu miru 10); KOZISKOVÁ,
Blanka; MALKOVÁ, Vera; MANÁKOVÁ, Irena.

Accumulation of essential oils in the plant *Carum carvi L.* Acta
pharmac 5:17-49 '61.

1. Department of Pharmaceutical Botany, Faculty of Pharmacy,
Bratislava.

CZECHOSLOVAKIA

PENKA, M., Chair of Pharmaceutical Botany (Farmaceuticka botanika), Faculty of Pharmacy (Farmaceuticka fakulta), Comenius university, Bratislava; and KLINESOVA, E., university Botanical Garden (universitni botanicka zahrada), J.Ev. Purkyne university, Brno.

"Effect of Irrigation on the Quantity and Quality of Crops of *Mentha Piperita* Hudson."

Prague, Ceskoslovenska Farmacie, Vol XII, No 7, September 63,
pp 352-359.

Abstract [Authors' English summary, modified]: The effect of irrigation on the quantity and quality of crops of *Mentha piperita* Hudson was studied during three vegetation periods (1958, 1959, 1960). The quantity of crops was expressed in terms of the growth characteristics (weight, water content, dry matter). The quality was evaluated according to the content of the essential oil (from the static and dynamic viewpoint) and menthol. It was found that irrigation stimulated the growth of experimental plants, but their development was slowed down to some extent. Eighteen references, including 7 Czech, 1 Polish and 1 Russian.

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6

PENKA, M.

Biogenesis of volatile oils of plant origin. Cesk. farm. 12
no.5:262-274 Je '63.

(OILS, VOLATILE) (PLANTS, MEDICINAL)

PENKA, M.

Water requirements of cereals in the course of individual development. Chekh.biol. 2 no.3:183-190 Je '53. (MLRA 7:4)

1. Institut fiziologii rasteniy biologicheskogo fakul'teta universiteta im. Masarika, Brno. (Grain) (Plants--Transpiration)

PENKA, M.

"Intensity of transpiration in some strains of our wheat."

p. 87 (Ceskoslovenska Biologie, Vol. 7, no. 2, 1958,
Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

PENKA, M.

"Water consumption in the transpiration of some strains of our wheat."

p. 98 (Ceskoslovenska Biologie, Vol. 7, no. 2, 1958,
Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

PENKA, Miroslav, prof. PhMr. RNDr. CSc.; KOCABOVA, Jirina; BITTNAROVA,
Blanka

Changes in the content of essential oil in the watered and
nonwatered plants Lavandula spica L. Acta pharmac 9:27-
46 '64.

1. Chair of Pharmaceutical Botany of the Faculty of Pharmacy,
Bratislava (for Kocabova and Bittnarova). 2. Higher School
of Agriculture, Brno-Cerna Pole (for Penka).

PENKA M.

Evaluation of ground waters with the aid of a biological method of drying curves. M. Penka (Plant Physiol. Inst., Brno, Czech.). *Folia Biol.* 2, 100-11 (1956) (in Russian) (German summary).—The method of detn. of the conditions of retardation and stoppage of growth of plants (wheat, flax), and of plotting the results graphically, is used for estm. of the content of ground waters. Growth retardation begins at the point at which freely moving capillary waters are absent; stoppage of growth occurs at the point at which the water-retaining forces in the soil rise beyond the above point. Growth retardation is the best index of water defect.

G. M. Kosolapoff

PENKA, Miroslav

Transpiration rates of leaf blades of irrigated and nonirrigated
spring wheat plants. Biologia plantarum 5 no.3:200-210 '63.

1. Botanical Garden of the J.E. Purkyne University, Brno, Trida
Obrancu miru 10.

PEMKA, V.

Servosimulator of the Research Institute for Radio Engineering. p.150.
(Slaboproudý Obzor, Vol. 18, No. 3, Mar. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

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CIA-RDP86-00513R001239920010-4"

PENKA, V.

Analog computers of the Institute for Radiotechnological Research.

p. 177 (STROJE ZPRACOVANI INFORMACI) Vol. 5, 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

38724

S/194/62/000/005/001/157
D222/D309

9,7200

AUTHORS: Pénka, Vítězslav, and Tichý, Oeněk

TITLE: Electric analogue computer

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 5, 1962, abstract 5-1-30d (Chekhosl. pat., kl. 42^m,
14, no. 97789, 15.12.60)

TEXT: A patent for a new constructional method for electrical (electronic analogue computers, which makes the assembly of required circuit configurations easy. The analogue computer is built in the form of a cabinet (see diagrams 1-2, 3), 1, the front of which holds the main programming panel 2, equipped with a plugboard 6, functional and operative units 3 (the socalled main chassis), and potentiometer blocks (or RC circuits) 4, with plugboards 8 (the socalled auxiliary chassis). Each of the blocks 3 and 4 contain amplifier or potentiometric elements built according to conventional circuitry. The internal arrangement of the analogue computer enables the interconnection of the inputs and outputs units 3, leads 12 and sockets 8 of the corresponding block 4 and units 3 through leads 10 and sockets 11. Card 1/12 X

Electric analogue computer

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D222/D309

sets 6 of the main plugboard on 1 (see figure 3). There are several sockets, 6 and 8, connected to each of the blocks 3 and 4, which makes it easy to assemble the required circuit. The blocks 3 and 4 are connected to the internal assembly via the multiway plugs 11 and 9. The main switching plugboard 2 is connected to the internal assembly through leads 13, and multiway plugs 7 (figure 2). All (or most) of the blocks 3 and 4 are removable. The front side of the cabinet holds also the supply unit Z, the blocks of nonlinear elements N, the matching transformers P and multiplier blocks 5. The horizontal parts of the chassis 3, 4, N, P and 5 are narrower than their front parts, and the resulting gap is used for the internal interconnecting cables of the computer. Examples are given for the realization of different circuits. 7 figures. [Abstractor's note: Complete translation].

Card 2/17

PENKA, V.; TICNY, C.

The "Servosimulator."

P. 241, (Elektrotechnicky Obzor) Vol. 46, no. 5, May 1957, Praha, Czechoslovakia

So; Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

PENKA, V. TICHY, C.

The use of analogue computers in technical practice. p.78 (Nova Technika, Vol.2, no.3, Mar. 1957) Praha

SO: Monthly List of East European Accession (EEAL) LC, Vol.6, no.7, July 1957. Uncl.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4

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CIA-RDP86-00513R001239920010-4"

P.T.A.

Chemistry & Chemical technology

725

647.831-211.04

Świątostawski W., Pankala B., Kulczycka H. Separation of Isomeric

Picoline and 2,6 Lutidine.

"Rozdzielanie izomerycznych pikolin i 2,6 lutydyny". Przegląd
Chemiczny, No. 10, 1950 pp. 591-592.

A method for separating 2,6 lutidine, 4-picoline and 3-picoline has been devised. The method is based on the successive precipitation of hydrochlorides of 2,6 lutidine and 4-picoline. 2-picoline is removed by ordinary fractional distillation. The precipitation of 2,6 lutidine hydrochloride is carried out by mixing free tar bases with the hydrochloride salts of all the components. After 2,6 lutidine hydrochloride is removed, the mixture of the remaining tar free bases is precipitated by their hydrochloric salts. After the removal of 4-picoline hydrochloride the mother liquor contains 80% 3-picoline and 20% 4-picoline. The separation of the bases of this mixture is carried out in a manner described in literature.

LUBCICKI, Julian, mgr inz.; PENKALA, Barbara, dr.; PACZEK, Kazimierz, mgr

Quality of crushed stone aggregated in the light of the
most recent studies. Techn. drog prace 4:23-39'62.

Penkala, T.

Country	: Poland
Category	:
Abs. Jour	:
Author	: Penkala, T.
Institut.	: M. Curie-Sklodowska University
Title	: Note on Intections and Solid Solutions Formed by Organic Compounds
Orig. Pub.	: Ann Univ ... Curie-Sklodowska, All, 77-92, 1956 (1955)
Abstract	: Using literature data, the author has formulated some hypotheses on the formation of solid solutions by organic compounds. Examples are given of the negative effect of differences in dipole moments on solubility in the solid state. The author presents experimental evidence in confirmation of earlier formulated theories (J. Swietoslawski, <i>Metody rozdzielenia i oczyszczania substancji</i> , Warsaw, 1950) on the gradual transition in binary systems of n-paraffins from solid solutions with unlimited mutual solubility of the components to solid solutions with limited solubility and,
Card:	1/2

~~PENKALA, T.~~

✓ Eutectics and solid solutions of organic compounds.
Tadeusz Penkala (Univ. Lublin, Poland). *Ann. Univ. Mariae Curie-Skłodowska Lublin-Polonia*, Sect. AA, 11, 77-92 (1958) (German and Russian summaries). -- The scheme of solid-liquid equil. in binary systems (Lwientoslawski, C.A. 43, 8812x) formed with a compd. (A) and particular homologs (B_i) is completed and compared with exptl. data. Very often the eutectic points in such a series of systems do fall on a common solv. curve of A (in all of B_i); despite large mutual solv. in the solid state. Seventeen rules concerning the likelihood of occurrence of solid soln. are listed.
J. Siedzik

3

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4

Effect of bin size on proportionate proportions of the com
mon elements in the two samples (min.)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4"

PENKALA, T.

The change of the mutual exchange ability of the same pair of anions or cations
in dependence on the size of the accompanying ions. I. In English. p.277.

Bulletin Varsovie
Vol. 3, no. 5, 1955

Sc. East Accessions List Vol. 5, No. 9 September 1956

PENKALA, T.

The influence of ionic polarization on the formation of solid solutions and eutectics. III. In English. p.285.

BULLETIN. Varsovie
Vol. 3, no. 5, 1955

So. East European Accessions List Vol. 5, No. 9 September 1956

PENKALA, I.

The change of the mutual exchange ability of the same pair of anions or cations in dependence on the size of the accompanying ions. T. Penkala. *Bull. accad. polon. sci. Classe III*, 3, 277-80, 281-4, 285-6 (1955).—It has been observed on crystals of halide salts which do not show too strong ionic polarization, that the greater is the halide ion the easier is the mutual cation exchange, and the greater are the cations the easier is the mutual exchange of the same pair of anions. A previously proposed scheme concerning a gradual transition from solid solns. to ideal eutectics is also true for binary systems of inorganic compds. in the case where mutual exchange of the same pair of ions becomes more and more difficult. With the decrease of miscibility of the components in solid solns., the tendency to a gradual decrease of the min. point of the solidus curve was observed. In binary mixts. of metal chlorides with common anion and a great difference in size of cation, the formation of a eutectic double salt and of the main components is clearly pronounced. A similar influence in the case of a large difference in size of the anions in binary mixts. of salts with common cation is evident. Deviations from the scheme of gradual transition from solid solns. to ideal eutectics in binary systems of ionic crystals with strong ionic polarization was observed. They show a certain regularity, viz., the cation with a strong polarization behaves in binary systems as if its size were much smaller than indicated by the figures in the tables of experimentally detd. size of ionic radius.

✓
WIT
Bernard Rubin

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4"

PENKALA, T.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

(2) Chem

Binary solid solutions and mixtures formed by one component with representatives of a series of homologs. T. Penkala. Bull. acad. polon. sci. 1, 151-3(1953).—Swieto-
kowski's suggestion (C.A. 43, 8812i) that binary mixts. formed by substance A and a series of homologs B, B₁, B₂,...B_n show a gradual transition from ideal eutectics (no solid solns.) through eutectics of solid solns. to solid solns. with unlimited solv., was confirmed. The gradual transition in a series of paraffins depends on the difference in length of the C chain.

William A. Pennington

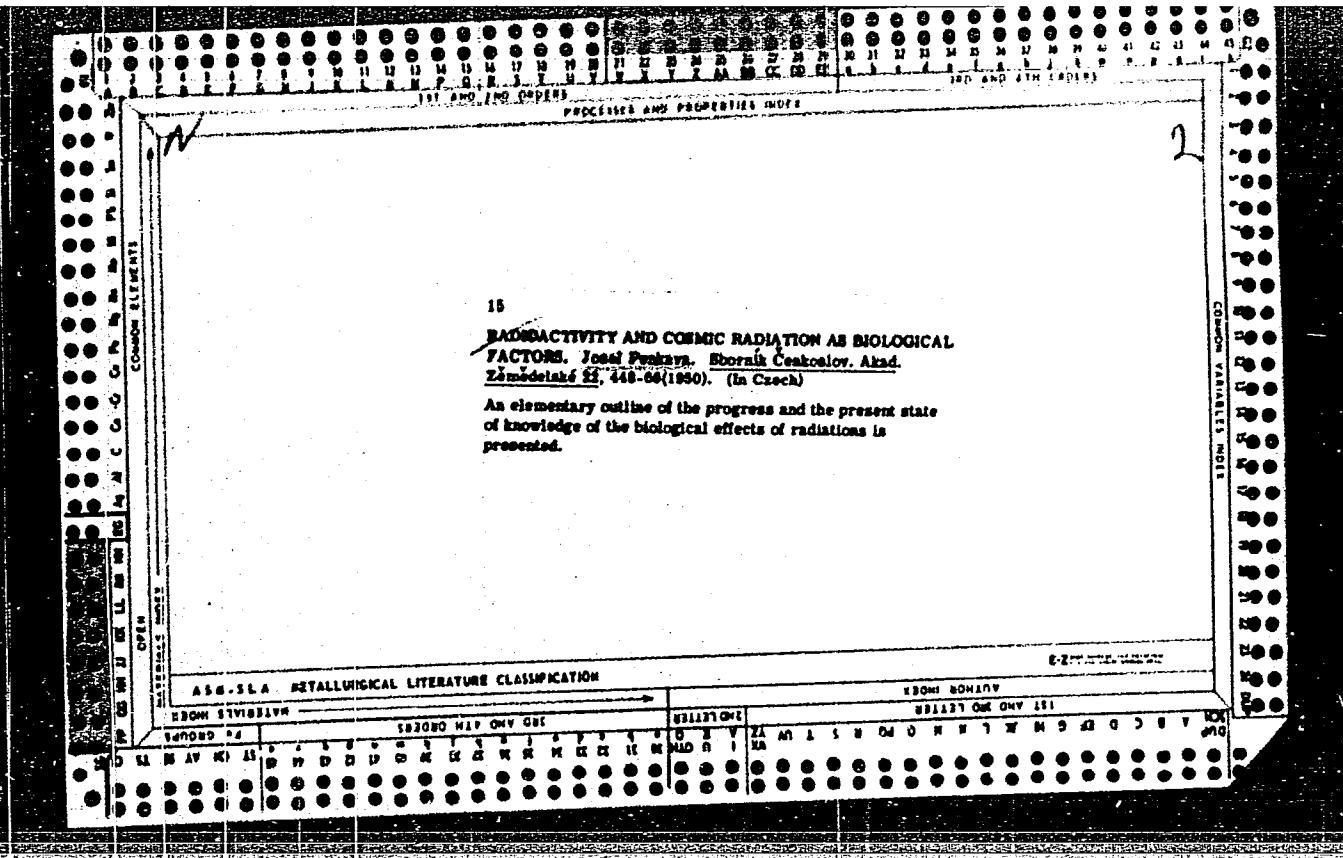
PENKALA, T.

"Optyka krysztalów" (Optics of crystals), by T. Penkala. Reported in
New Books (Nowe Ksiazki), No. 14, July 15, 1955

PEKALA, Tadeusz

Chemical Abst,
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

Dr. J. C.
Binary solid solns and eutectic mixtures formed by one component with a series of homologs. III. Tadeusz Pekala (Univ. Warsaw). Roczniki Chem. 27, 207-73 (1953) (English summary); cf. Swietoslawski, C.A. 43, 8812t, 8833d; preceding abstr.—Data show that a compd. may form with successive homologs: ideal solid solns., solid solns. with limited solv., and eutectic mixts. Analogous phenomena are observed with a series in which one atom in a common radical is substituted by other groups or atoms. Eutectic points of such a series are on a common curve.
M. Falk



PENKALA, T.

The gradual transition from solid solutions to eutectics in binary systems of
inorganic compounds. II. In English. p.281.
BULLETTIN Varsovie
Vol. 3, no. 5, 1955

So. East European Accessions List Vol. 5, No. 9 September 1956

GONCHAROV, P.; MAS'KO, V.; SILIN, A. (Chelyabinskaya obl.); PENKALO, A.,
kursant; KRYLOV, Ye. (Temir-Tau); LAZAREV, I. (Karaganda);
SEMELEV, V.

Readers' letters. Pozh.delo 9 no.8:31 Ag '63. (MIRA 16:9)

1. Nachal'nik Rostovskogo spetsializirovannogo montazhnogo
uchastka protivopozharnoy avtomatiki (for Goncharov). 2. Starshiy
inzh.-konstruktor Rostovskogo spetsializirovannogo montazhnogo
uchastka protivopozharnoy avtomatiki (for Mas'ko). 3. L'vovskoye
pozharno-tehnicheskoye uchilishche (for Penkalo).
(Fire prevention)

PANCHENKO, I.D.; PENKALO, I.I.

Polarographic study of rare-earth elements with fused acid
potassium sulfate as the support. Ukr. khim. zhur. 31 no. 11:
1203-1206 '65 (MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

L 30243-56 EWT(m)/ETC(f)/T/EWP(t)/ETI IJP(c) DS/JD/JG
ACC NR: AF6013884 SOURCE CODE: UR/0073/65/031/011/1203/1206

AUTHOR: Panchenko, I. D.; Penkalo, I. I.

33
B

ORG: Institute of General and Inorganic Chemistry, AN UkrSSR (Institut obshchey i neorganicheskoy khimii AN UkrSSR)

TITLE: Polarographic study of rare earth elements in fused potassium bisulfate as the supporting electrolyte

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 11, 1965, 1203-1206

TOPIC TAGS: polarography, lanthanum oxide, gadolinium compound, yttrium compound, cerium compound, europium compound, potassium compound / LP-55A polarograph

ABSTRACT: A polarographic study of oxides of lanthanum, gadolinium, yttrium, cerium, and europium was carried out in potassium bisulfate as the supporting electrolyte by using a rotating disc electrode. The reduction polarograms were recorded on an LP-55A polarograph at 240°C, and the half-wave potentials of the reduction of the oxides were determined: $E_{1/2}$ was 1.1 V for La₂O₃, 1.08 V for Gd₂O₃, 1.03 V for Y₂O₃, 0.9 V for CeO₂, and 0.4 V for Eu₂O₃. Thus, the deposition potentials differed appreciably in this fused electrolyte.¹ The limiting diffusion current was found to be directly proportional to the concentration of the oxides studied. The diffusion coefficients of

UDC: 543.253+546.6+541.133

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L 30243-66

ACC NR: AP6013884

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the ions were found to be $2.6 \cdot 10^{-5}$ for La, $0.31 \cdot 10^{-5}$ for Gd, $0.33 \cdot 10^{-5}$ for Y, $1.11 \cdot 10^{-5}$ for Ce, and $1.34 \cdot 10^{-5}$ for Eu. The thickness of the diffusion layer in fused potassium bisulfate was calculated to be $\sim 2 \cdot 10^{-3}$ cm. Orig. art. has: 5 figures, 1 table.

SUB CODE: 07/ SUBM DATE: 26Oct64/ ORIG REF: 006/ OTH REF: 002

Card 2/2 CC

L 30215-66 EWT(m)/ETC(f)/T/EWP(t)/ETI IJP(c) DS/JD/JG
ACC NR: AP6015011 SOURCE CODE: UR/0364/66/002/005/0529/0535

AUTHOR: Panchenko, I. D.; Penkalo, I. I.; Delimarskiy, Yu. K.

ORG: Institute of General and Inorganic Chemistry, AN UkrSSR, Kiev (Institut obshchey i neorganicheskoy khimii AN UkrSSR)

TITLE: Polarographic study of the cerium group of rare earth elements in the fused LiCl-KCl eutectic as supporting electrolyte

SOURCE: Elektrokhimiya, v. 2, no. 5, 1966, 529-535

TOPIC TAGS: polarographic analysis, lanthanum compound, praseodymium compound, samarium compound, europium compound, cerium compound, neodymium compound, lithium chloride, potassium chloride

ABSTRACT: In order to determine its usefulness for analytical purposes, the authors investigated the polarographic behavior of lanthanum, cerium, praseodymium, neodymium, samarium, and europium in the fused LiCl-KCl eutectic at 400°C, using a rotating platinum disc electrode. Polarograms of the reduction of the rare earth chlorides were recorded at various concentrations of the chlorides. A direct proportion was established between the wave height and the concentration of the depolarizer. The half-wave potentials were determined and differences between some of them were found to exceed

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ACC NR: AF6015011

one volt. On the basis of the substantial difference in the half-wave potentials, polarographic spectra were obtained which may have application in the electrolytic separation of rare earth metals. The limiting diffusion currents were determined. The diffusion coefficients of the ions studied were calculated and the thickness of the diffusion layer in the fused LiCl-KCl eutectic was determined. Orig. art. has: 7 figures, 3 tables, 8 formulas.

SUB CODE: 07/ SUBM DATE: 23Jul65/ ORIG REF: 009/ OTH REF: 006

Card 2/2 C C

PENKALYA, T.

POLAND/Physical Chemistry - Thermodynamics, Thermochemistry, B-8
Equilibrium, Physico-Chemical Analysis, Phase Transitions

Abis Jour : Referat Zhur - Khimiya, No 2, 1957, 3724

Author : Penkalya, T.

Inst : Polish Academy of Sciences

Title : Change in Capability of Mutual Substitution of the Same
Pair of Anions or Cathions as Function of Size of Ions
Bonded Therewith.

Orig Pub : Bull. Acad. polon. sci. Cl.III, 1955, 3, No 5, 273-275,
277-280.

Abstract : As a result of studies of 2-component, liquid-solid equi-
librium diagrams, of the halides and hydroxides of Li,
Na, K, Ba and Sr, it was ascertained that the larger the
anion the more readily takes place the substitution in
the crystal lattice, and that the larger the cathion the
more readily takes place the exchange of anions. As subs-
titution becomes more difficult; there are observed,

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- 69 -

PENKALYA, T.

POLAND/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibrium. Physico-Chemical Analysis. Phase Transitions B-8

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3725
Author : Penkalya T.
Inst : Polish Academy of Sciences
Title : Gradual Transition from Solid Solutions to Eutectics in Binary Systems of Inorganic Compounds. II.
Orig Pub : Bull. Acad. polon. sci. Cl.III, 1955, 3, No 5, 277-280, 281-284,

Abstract : Considered are liquid-solid equilibrium diagrams of 2-component systems formed by the given component with a series of other salts having a common ion with the given component. The same as in the previously published work (RZhKhim, 1955, 15938) there has been ascertained the predominant effect of the size of ions on type of equilibrium diagram. Compared are diagrams of systems of LiCl with NaCl, KCl, RbCl, CsCl; also of

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- 71 -

POLAND/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibrium. Physico-Chemical Analysis. Phase Transitions
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239920010-4"

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3725

AgCl with the same chlorides. Ascertained was a gradual transition from solid solutions (SS) without decomposition to SS with a minimum, to SS with decomposition, to eutectics. These transitions take place on increase in size of cations (anions), at the common anion (cation). In the case of great difference in size of ions, double salts may be formed. In the case of systems of inorganic, ionic compounds having low polarization of ions, there can be applied the previously mentioned (Swietoslawski W., Roczn. chem., 1949, 23, 7) scheme of transition from one type of system to another.

Card 2/2

- 72 -

TREGUBOVA, A.S., st. inzh.; KARASENKO, A.P., inzh.; MARKOVA, A.V.,
st. tekhnik; NIKOLAYEVA, Z.A., st. tekhnik; KOVTUNENKO,
Zh.I., tekhnik; PENKASS, Z.F., tekhnik; STOYAN, T.T.,
tekhnik; CHERVYACHENKO, V.A., tekhnik; YEFREMOV, N.V., red.;
DEREVYANKO, G.S., tekhn. red.

[Manual on the supply of moisture available to basic farm
crops in the Ukraine] Spravochnik po zapasam produktivnoi
vlagi pod osnovnym sel'skokhozyaystvennymi kul'turami na
Ukraine. Kiev, Gosselekhozizdat USSR, 1963. 547 p.
(MIRA 16:12)

1. Otdel agrometeorologii Kiyevskoy gidrometeorologicheskoy
observatorii (for all except Yefremov, Derevyanko).
(Ukraine—Soil moisture)

PENKAUSKENE, E.A. [Penkauskienė, E.]

Biology of the flowering of Arnica montana L. Bot. zhur. 47 no.5:
710-713 My '62. (MIRA 16:5)

1. Botanicheskiy sad Botanicheskogo institut AN Litovskoy SSR, Kaunas.
(Lithuania--Arnica) (Plants, Flowering of)

PENKAVA, J.

Selection of the proper time for surgical treatment of total cleft
lip and cleft palate. Cesk. stomat. 65 no.3:213-219 My'65.

1. Klinika plasticke chirurgie lekarske fakulty University
J.E. Purkyne v Brne (prednosta: doc. dr. V. Kubicek, CSc.).

KUBAT, B.; PENKAVOVA, E.; FICAJ, M.

On the problem of therapy of perforated gastroduodenal ulcer. Rozhl.
chir. 40 no.8:518-522 Ag '61.

1. Chirurgicka klinicka zakladna UDL v Praze 8, Bulovka prednosta
prof. MUDr. J. Knobloch, doktor lekarskych ved.

(PEPTIC ULCER PERFORATION surg)

VLACH, C.; FERKOVÁ, T.

Changes in the orofacial system in scoliotics treated with
the Milwaukee corset. Acta chir. orthop. traum. Czech. 32
no.4:371-377 Ag '64.

I. Ortopedická klinika Lékařské fakulty v Brně, (prednosta prof.
dr. M. Janeček) a Stomatologická katedra UMB v Brně, (vedoucí
doc. dr. J. Kubín).

PENKEVICH, M. S.

Penkevich, M. S. "Maps of the Normal Distribution of the Elements of Terrestrial Magnetism on the Territory of the U.S.S.R. (Normal Field) for the Epoch 1935. Zemnai Magnetizm (Trudy Glavnoi Geofizicheskoi Observatorii, No. 29), Leningrad, No. 4, 1939, pp. 3-6.

PENKEVICH, M. S.

Manual for Execution and Handling of Magnetic Observations on the General Magnetic Survey of the USSR. (Rukovodstvo k proizvodstvu i obrabotke magnitnykh nablyudeniy po general'noy magnitoy s'yemke SSSR). Hydrometeorological Press, Leningrad: 1946. 226 pp. (Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

KALININ, Yu.D., redaktor; MALININA, N.Ye., redaktor; ORLOV, V.P.; PENKE-VICH, M.S.; PUSHKOV, N.V.; XONONOVA, L.E., tekhnicheskiy redaktor.

[Magnetic field of the U.S.S.R.; compound systematic catalog of magnetic determinations of the General Magnetic Survey of the U.S.S.R.; 1931-1942] Magnitnoe pole SSSR. Svednyi sistematicheskii katalog magnitnykh opredelenii general'noi magnitnoi s"emki Soiuza SSR. 1931-1942 gg. Leningrad, Gidrometeoizdat. Vol.2, Pt.1. 1947. 328 p. [Photostat] (MLRA 8:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby.
(Magnetism, Terrestrial)

PENKEVICH, M.S.

"The Errors of Measurements of Magnetic Variations and a Method for Their Treatment."

"Procedures for Meteorological Observations." No 34(96), 1952, page 85.

PENKEVICH, M.S.

KOZIK, S.M.; KALININ, Yu.D., professor; AFANAS'YEVA, V.I., kandidat fiziko-matematicheskikh nauk; PENKEVICH, M.S., kandidat fiziko-matematicheskikh nauk; GLUSHKOVA, Ye.P.; KUZNETSOVA, Z.S.; BELOUSOVA, M.A.; SOLOVEYCHIK, A.A., tekhnicheskiy redaktor

[Manual on variation in the magnetic field of the U.S.S.R.]
Spravochnik po peremennomu magnitnomu poliu SSSR. Pod red. V.I.
Afanas'yevi. Leningrad, Gidrometeor.izd-vo, 1954. 265 p. (MLRA 10:7)

1. Leningrad, Nauchno-issledovatel'skiy institut zemnogo magnetizma.
2. Nauchno-issledovatel'skiy institut zemnogo magnetizma (for Kalinin, Afanas'yeva, Belousova)
3. Tashkentskaya nauchno-issledovatel'skaya geofizicheskaya observatoriya (for Kozik).
4. Glavnaya Geofizicheskaya observatoriya (for Penkevich, Glushkova, Kuznetsova)
(Magnetism, Terrestrial)

PANKOVICH, M.S.

Action radius of magnetic observatories. Trudy GGO no.43:78-102 '54.
(Magnetism, Terrestrial--Observations) (MIRA 11:5)

PENKEVICK, M. S.

AUTHOR: Penkevich, M. S., Glushkova, Ye. P., Kuznetsova, Z. S. 37-12-4/12

TITLE: Some Common Regularities in the Daily Variations of the Earth's Magnetic Field Established by Soviet Polar Observatories
(Nekotoryye obshchiye zakonomernosti sutochnykh variatsiy magnitnogo polya zemli po dannym Sovetskikh polaryarnykh observatori) 37-12-4/12

PERIODICAL: Trudy Nauchno-issledovatel'skogo instituta zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln, 1957, Nr 12 (22), pp. 73-85 (USSR)

ABSTRACT: To analyze a very complicated pattern of magnetic variations in polar regions, long-range observations were studied in regard to declination (D), horizontal component (H), vertical component (Z), and the variations of total force (δF). The study covered both quiet and disturbed days, grouped into clusters of summer, winter and equinoctial observations. For quiet days the pattern of variations was steady, with only the amplitudes varying. This steady

Card 1/3

Some Common Regularities in the Daily Variations : (Con't)

37-124/12

pattern was, as a rule, sustained even on disturbed days, but some phenomena differed from those observed on quiet days, e.g., it was found that on the days of minimum magnetic activity (quiet days), a twin wave appeared which was not seen on days of maximum magnetic activity. The article examines the relationship between magnetic amplitudes and solar and magnetic activities, as observed in moderate latitudes. This relationship is reduced to the following formula: $A = A_0 + \delta W$, in which A is the amplitude of magnetic vibrations and W the index of solar activity (equal to the relative number of sun spots). It was found that W , characterizing mainly the short wave (ultraviolet radiation), has no bearing on corpuscular radiation. The best tool for evaluating objectively magnetic amplitudes on disturbed days is the so-called K index, which is calculated from 3-hour intervals (universal time). It was established that the amplitudes of magnetic values grow with latitude, but start to decrease at a certain distance from the pole. In high latitudes, the shape of the distributive curve was found to be of the parabolic type with the apex lying close to 70° latitude. This dependence on latitude is analyzed for quiet and disturbed days, and for the indices concerned

Card 2/3

VINOGRADOV, I.P., zasluzhennyj vrach RSFSR [deceased]; PEN'KEVICH, S.G.,
zasluzhennyj vrach RSFSR (Leningrad)

"Twenty-fifth of October Memorial Hospital" during the period of
the blockade of Leningrad 1941-1944. Sov. zdrav. 21 no.2:53-57
'62.

(MIRA 15:3)

(HOSPITALS)
(LENINGRAD--SIEGE, 1941-1944)

PEN'KEVICH, S. S.

Pen'kevich, S. S. and Zemlyanitsyna, N. P. - "The leukocyte reaction in man with parenteral introduction of milk under narcosis", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 64-67.

SO: U-4329, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

PENKEVICH, S.V.

Investigating the operation of a tool with a changeable core
receiver. Izv.vys.ucheb.zav.; geol. i razv. 8 no.2:142-148
F '65. (MIRA 18:3)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.

PENKEVICH, S.V.; MAKSIMOV, V.I.

Outlook for the adoption of replaceable coring samplers in
test drilling. Izv. vys. ucheb. zav.; geol. i razv. 3 no.6:
95-101 Je '60. (MIRA 14:7)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze.
(Core drilling--Equipment and supplies)

PENKEVICH, S.V.; MAKSIMOV, V.I.

Design of shells with changeable core extractors for drilling
exploratory core holes. Trudy MGRI 39:148-156 '63.
(MIRA 16:10)

RUDITSYN, Mikhail Nikolayevich, dots.; LAPTEV, Vladimir Pavlovich, starshiy prepodavatel'; RUD', Boris Viktorovich, assistant; KUROVSKIY, Ivan Frantsevich, starshiy prepodavatel'; LYUBOSHITS', Moisey Il'ich, dotsent; PETROVICH, Aleksandr Grigor'yevich, starshiy prepodavatel'; BALYKIN, Mikhail Kirillovich, assistant; PEN'KEVICH, Vladimir Aleksandrovich, assistant; OSHEROVICH, Lyubov' Il'inichna, dotsent; CHULITSKIY, Vyacheslav Ivanovich, assistant; Prinimal uchastiye SIKOLOVSKIY, A.V., KAPRANOVA, N.V., red.; PESINA, S.A., telchn.red.

[Laboratory work on the strength of materials] Laboratornye raboty po soprotivleniiu materialov. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 272 p. (Strength of materials--Testing) (MIRA 15:8)

c. a.
1981

(5)

Fluorography applied to metal examination. B. B. Penkevich (Rostov Inst. Selkhoznauchinotraenia), Izhevsk, Ahd. Nauk S.S.R., Ser. Fiz. 18, 234-6(1951).--By using sulfide screens comparison curves were established for different plates, developers, and exposure times. The most favorable results were obtained with Supernegative 2000 plates factory #5, which had 4 times the sensitivity of "Fluorapid Agfa" plates. The developer consisted of 7 g. α -aminophenoisulphate, 50 g. Na_2SO_4 cryst., 20 g. Na_2CO_3 anhyd., and 0.5 g. KBr in 1000 ml. H_2O . The time in the developer was 30 min. Fluorography can be applied to steel up to 16 mm. thickness and to Al 120 mm. thick. The necessary amt. of x-rays to obtain a 0.7 optical d. is 0.08-0.17 r. depending on the voltage. The most favorable reduction in size is 1:7.6. Sensitivities are good for industrial use and material reductions up to 90% and labor reductions of 30-40% can be obtained. S. Pakaver.

Photography in astrophysics. D. Koellioed, Nederland. Tijdschr. Natuurk. 19, 145-53(1950).--Lecture.

B. J. C. van der Heijden

PEMKOVICH, Ye. B

PEMKOVICH, Ye. B. -- "Investigation of the Fluorograph in Its Application to the X-Ray of Metals." Sub 19 May 52, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Vechernaya Moskva, January-December 1952

PENKEVICH, YE. B.

Dec 52

USSR/Metallurgy - Welding, Processes

"Consumption of Materials and Electric Power in the Process of Welding With Electric Rivets Under Flux," Ye. B. Penkevich, M. M. Dubashinskiy, M. P. Bagranovskiy, Engrs, Rostov-on-Don Inst of Agricultural Machine Building, Rostov-on-Don State Union Plant "Krasnyy Aksay"

²³
Avtogen Delo, No 12, pp 12-14

Investigates one of applications of electric rivets: welding of 2 mm sheets to thicker plates without preliminary formation of holes in upper thin element, bringing arc over flux, without feed of electrode into arc zone and without forced break of arc. Concludes that consumption of electrode metal, flux and electric power decreases with reduction of transformer voltage when unloaded, short circuit current, and electrode dia. Properties of flux are also discussed as essential factor in conservation of materials and power.

266T43

PENKEVICH, Ye.B., kandidat tekhnicheskikh nauk; DUBASHINSKIY, M.M.,
inzhener.

Welding the frame of a KP-3 cultivator with electric riveting
under flux. Sel'khozmashina no.11:29-31 N '54. (MLRA 7:11)

1. Kafedra svarochnogo proizvodstva RISKhM.
(Cultivators) (Electric welding)

NAZAROV, S.T.; PENKEVICH, Ye.B.; IL'YUSHCHENKO, L.F.; YERMOLOV, I.N.; DEMIN, M.P.; KRUPIN, A.K.; KRYGOV, B.S.; SERGEYEV, A.S., dotsent

Survey of dissertations on the problems of flaw detection.
Defektoskopija no.1: 4-96 '65. (MIRA 18:6)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana (for Nazarov, Penkevich).
2. Moskovskiy oblastnoy pedagogicheskiy institut (for Il'yushchenko).
3. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya (for Yermolov, Demin).
4. Moskovskiy institut stali i splavov (for Krupin).

PENKEVICK, M. S.

Penkevich, M. S. "Test of A. Schmidt's Variometer for Measuring the Vertical Component of Terrestrial Magnetism." Izvestija Glavn. Geofizich. Observatorii, Leningrad, No. 3, 1923, pp. 25-31.

PENKEVICH, M. S.

"Radius of Action of Magnetic Observatories".
Tr. Gl. Geofiz. Obsvry, No 43, pp 78-102, 1954.

Observations of middle latitude magnetic observatories of the USSR, mostly those of 1949, were analyzed. Errors in computation, secular, yearly, daily, and perturbative, were studied and tabulated. The range of action was found different for each of the observatories. (RZhFiz, No 11, 1955)

SO: Sum No 884, 9 Apr 1956

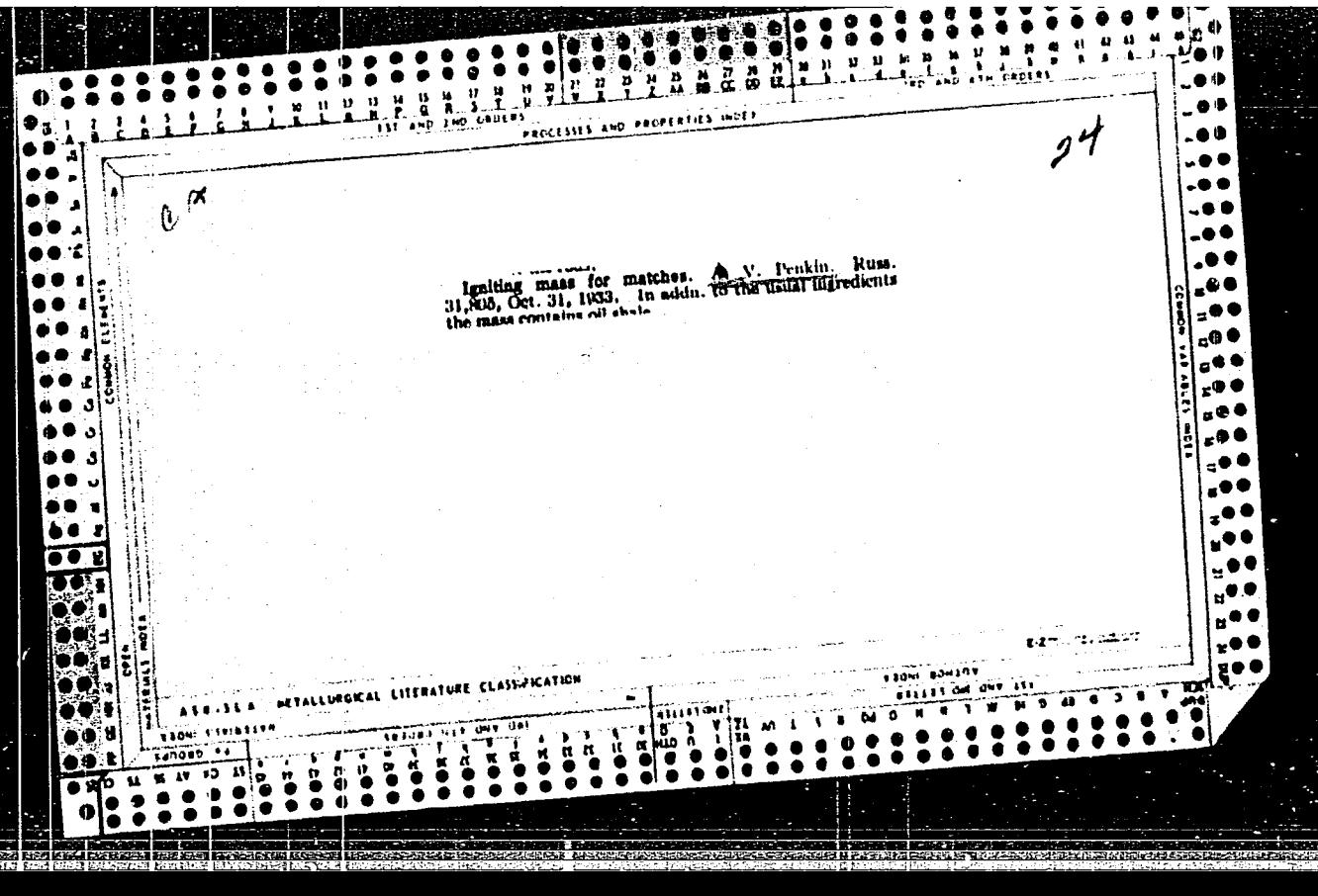
PENKHVA, KIM.

Opyt vyrashchivaniia vysokikh urozhaev khlopka [Experience in achieving high yields of cotton]. Moskva, Sel'khozgiz, 1953. 48 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

AKHMETOV, K.T.; POTESHKIN, I.V.; MIKHAYLOV, S.A.; PENKIN, A.I.

Effect of mechanization and automation of metallurgical processes
and equipment on the work composition of nonferrous workers. TSvet.
met. 37 no.6:29-33 Je '64. (MIRA 17:9)



PENKIN, B.

Devices for wrapping meat products in polymer films. Mias.
Ind. SSSR 31 no.5:9-11 '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myaznoy
promyshlennosti.

(Meat-Packaging)

PENKIN, B., inzh.

New type of machine for the continuous stuffing of sausage meat.
Mias. Ind. SSSR. 30 no. 4:61 '59. (MIRA 12:12)
(Germany, West--Packing houses--Equipment and supplies)

SHEVTSOVA, K.A., starshiy nauchnyy sotrudnik; PENKIN, B.A., inzh.

Mechanization of the operations of bottling and stoppering of
liquid hematogen. Trudy VNIIMP no.9:109-114 '59. (MIRA 13:8)
(Hematogen)

PENKIN, D. (UAcHP)

Highly sensitive 28-29.7 mc. converter. Radio no. 6:18-20,
p. 3 of cover Je '62. (MIRA 15:5)
(Radio, Shortwave—Equipment and supplies)

BEZYMENSKIY, G. (UA3ALH); PENKIN, D. (UA3HP)

Friends meet again. Radio no. 3±18-19 Mr 64 (MIRA 17±7)

6(4)

06424
SOV/107-59-5-19/51

AUTHOR: Penkin, D. (RA3ABU)

TITLE: A VHF Converter for 38-40 Mc

PERIODICAL: Radio, 1959, Nr 5, pp 18-20 (USSR)

ABSTRACT: The author describes in detail a VHF converter which works on frequencies within the range of 70-80 mc. The converter will be connected to an ordinary short-wave communication receiver or to an allwave broadcast receiver having a range of 75 m (4 mc). The converter consists of a two-stage HF amplifier with one 6N15P, a single-grid converter with one 6Zh3P, a heterodyne with a 6N15P, a rectifier with a 5Ts4S and a SG4S voltage stabilizer tube. Figure 1 shows the circuit diagram of the VHF converter. The author uses a converter of this type in combination with a RSI-4 receiver for more than 2 years. There is 1 circuit diagram and 5 diagrams.

Card 1/1

PENKIN, D., st. ikonomist

Application of plans which have been worked out, an important step in the activities of the Central Scientific Research Institute on Technology of Machine Construction. Tekh delo 464 l 16 F '63.

1. Tsentralen nauchnoissledovatelski institut po tekhnologiiia na mashinostroeneto.

PENKIN, D. (UA3HP); BEZYMENSKIY, G. (UA3ALH)

In a pioneer camp. Radio no. 5:13-14 My 62. (MIRA 15:5)
(Zvenigorod--Pioneers (Communist youth)) (Radio operators)

LOMANOVICH, V. (UA3DH); PENKIN, D. (UA3HP)

Antennas for 430-440 mc. operation. Radio no. 11:23-24 N '63.
(MIRA 16:12)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4

LOMANOVICH, V. (UA3DH); PENKIN, D. (UA3HP)

Transmitter-receiver for operation on 430-440 mc. Radio
no.10:21-24 0 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920010-4"

PENKIN, D (UA3HP)

Shortwave radio receiver. Radio no.12:31-34 D '60. (MIRA 14:1)
(Radio, Shortwave—Receivers and reception)

VORONIN, M.A.; DMITROVSKIY, A.N.; KLYUSHENKOV, I.S.; KOMOGORTSEV, P.Ya.;
MAYKOV, N.K.; OSIPOV, L.L.; PENKIN, I.S.; SHKURATOV, I.G.;
FEDOROV, V.F.; CHERTKOV, Kh.A., red.; BERLIN, K.Z., red.izd-va;
BOBROVA, V.A., tekhn.red.

[Handbook on materials and equipment] Spravochnik po materialam i
oborudovaniyu. Moskva, Izd-vo "Tekhnol transport." Vol.2.[Equip-
ment] Oborudovanie. 1959. 607 p. (MIRA 13:3)

(Ships--Equipment and supplies)
(Harbors--Equipment and supplies)

PENKIN
SOBOLEV, Pavel Ivanovich; PENKIN, I.S., retsenzent; KOMOGORTSEV, P.Ya.,
redaktor; SHLENNIKOVA, Z.V., redaktor izdatel'stva; KRASNAYA, A.K.,
tekhnicheskiy redaktor

[Servicing and repairing injectors] Obsluzhivanie i remont inzhektorov.
Izd.2-oe, ispr. i dop. Moskva, Izd-vo "Techno transport," 1957.
77 p. (MIRA 10:7)
(Injectors)

KLYUSHENKOV, Ivan Stepanovich; FEDOROV, V.P., retsenzent; PENKIN, I.S.,
retsenzent; KOMOGORTSEV, P.Ya., redaktor; SHLENNIKOVA, Z.V., redaktor
izdatel'stva; KRASHNAYA, A.K., tekhnicheskiy redaktor

[Technology of machine-shop work in repairing machinery of river
vessels] Tekhnologiya slesarno-montazhnykh rabot po remontu
mekhanizmov rechnykh sudov. Moskva, Izd-vo "Rechnoi transport,"
1956. 322 p.
(Ships--Maintenance and repair)

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AUTHOR: Penkin, M. >

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